

Electronic supplementary information

Environmental responsive polymeric materials: effect of topological structure on self-assembly

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Synthesis of homopolymers PAGC₈ and PASC₈.

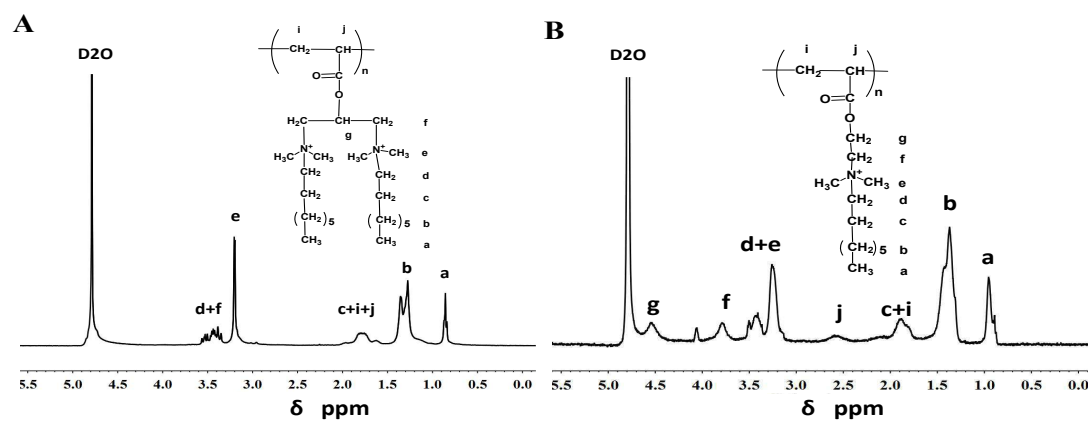


Fig. S1 Typical ¹H NMR spectra of geminized homopolymer PAGC₈ (A) and traditional homopolymer PASC₈ (B) in D₂O.

Table S1 GPC analysis results of PAGC₈ and PASC₈

Homopolymer	M _n	M _w	M _z	M _w /M _n	M _z /M _w
PAGC ₈	9898	11332	13548	1.14	1.20
PASC ₈	9834	11057	12777	1.12	1.16

Molecular interaction in the aggregation process.

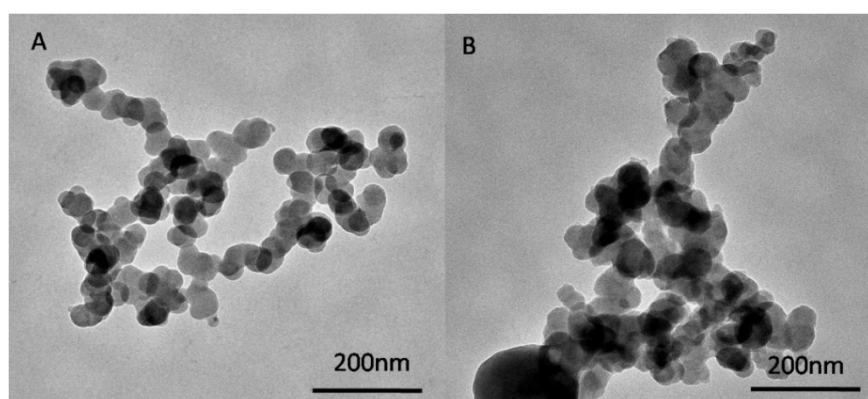


Fig. S2 TEM images of AGC₈ at the concentrations of 1g/L (A) and 5g/L (B) in water.

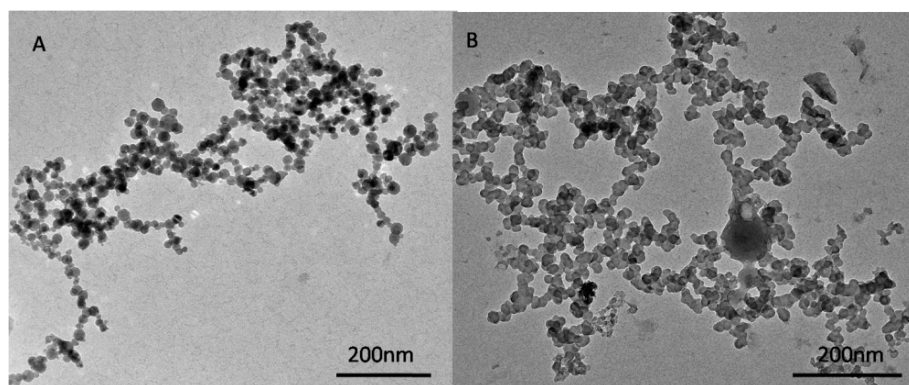


Fig. S3 TEM images of AGC₈ at the concentrations of 1g/L (A) and 5g/L (B) in ethanol.